

Title (en)
Vaccines against septicemic bacteria

Title (de)
Impfstoffe gegen Bakterien, die zur Blutvergiftung führen

Title (fr)
Vaccins contre les bactéries septicémiques

Publication
EP 0389347 B1 20031008 (FR)

Application
EP 90400734 A 19900319

Priority
FR 8903626 A 19890320

Abstract (en)
[origin: EP0389347A1] The bacteria expressing iron-regulated outer membrane proteins of which certain are siderophore or transferrin receptors can be used in a vaccinal preparation. Said bacteria are obtained from a culture in a medium in which the iron content is reduced to a level for obtaining an increased expression of said proteins, and in particular of receptors, sufficient to induce, when said bacteria are used in a vaccine, the formation of antibodies preventing the specific recognition of siderophores by their receptors.

IPC 1-7
C12N 5/00; **A61K 39/108**; **A61K 39/112**; **C12N 15/31**

IPC 8 full level
C12N 1/21 (2006.01); **A61K 39/02** (2006.01); **A61K 39/108** (2006.01); **A61K 39/112** (2006.01); **A61P 31/04** (2006.01); **C07K 14/24** (2006.01); **C12N 15/31** (2006.01); **C12P 21/00** (2006.01); **A61K 39/00** (2006.01); **C12R 1/01** (2006.01); **C12R 1/19** (2006.01); **C12R 1/22** (2006.01)

CPC (source: EP)
A61K 39/025 (2013.01); **A61P 31/04** (2018.01); **C07K 14/24** (2013.01); **A61K 39/00** (2013.01); **Y02A 50/30** (2018.01)

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LIN J. ET AL, J. DAIRY SCI., vol. 81, no. 8, 1998, pages 2151 - 2158

Cited by
WO2011131789A1; EP0540413A1; EP0597185A1; EP2421529A4; EP0563288A4; US8834890B2; US9125950B2; WO9405326A1; WO9221370A1

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